

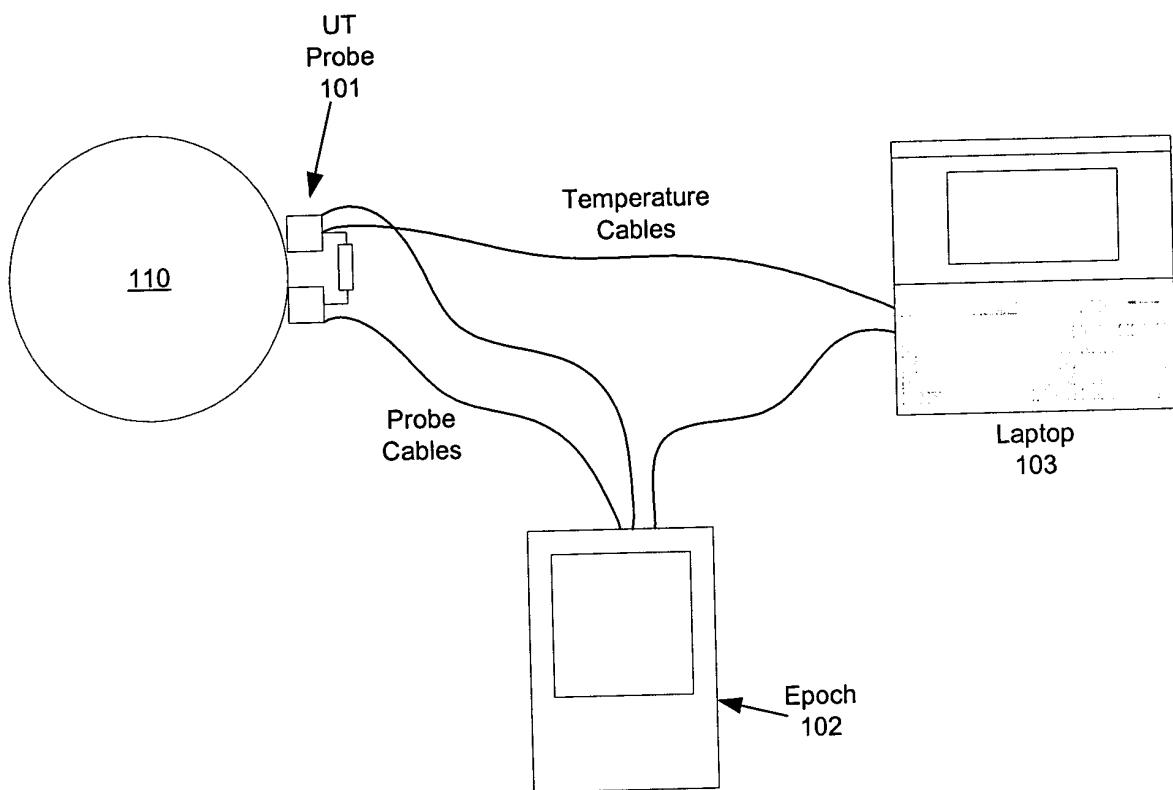


Figure 1

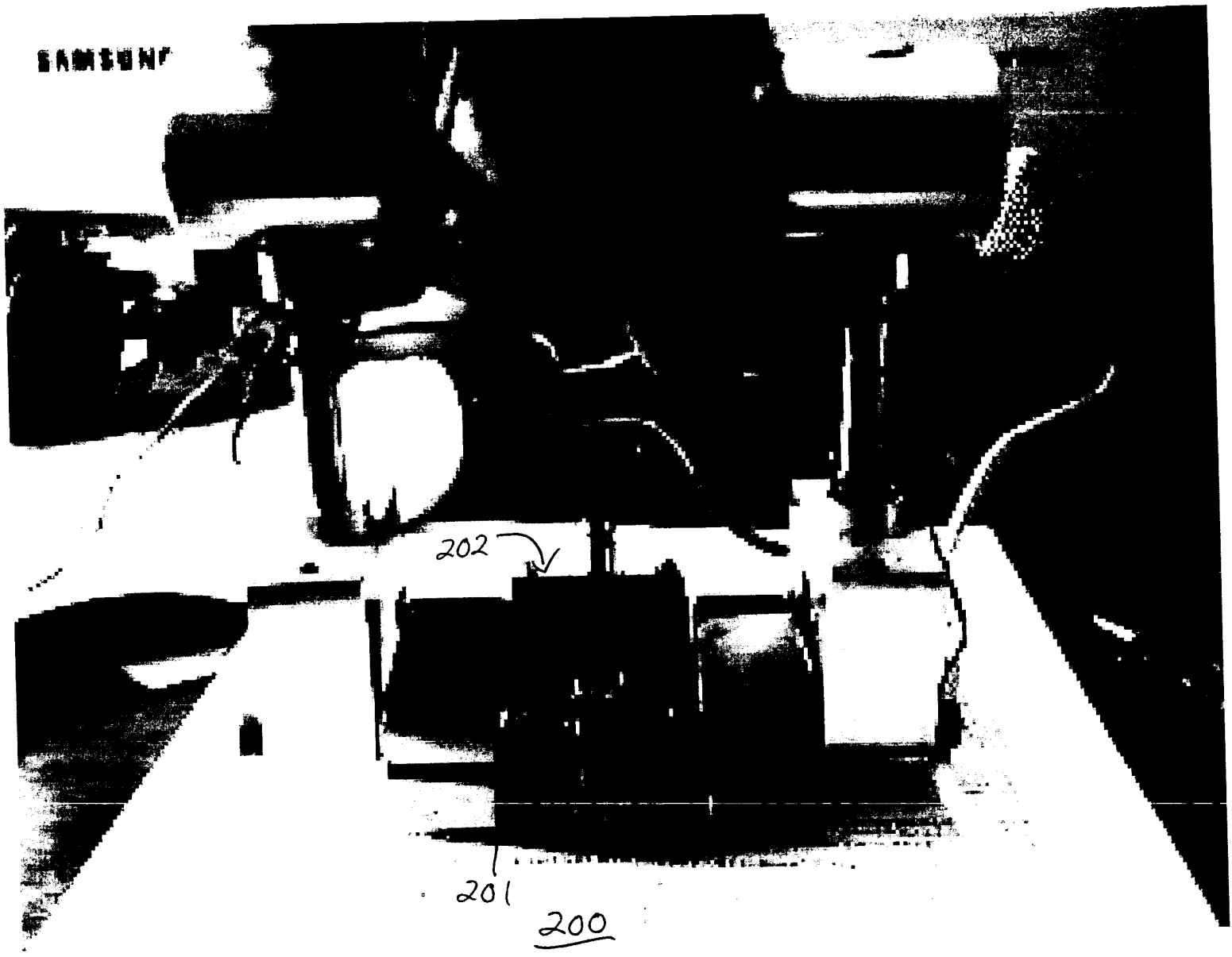


Figure 2A

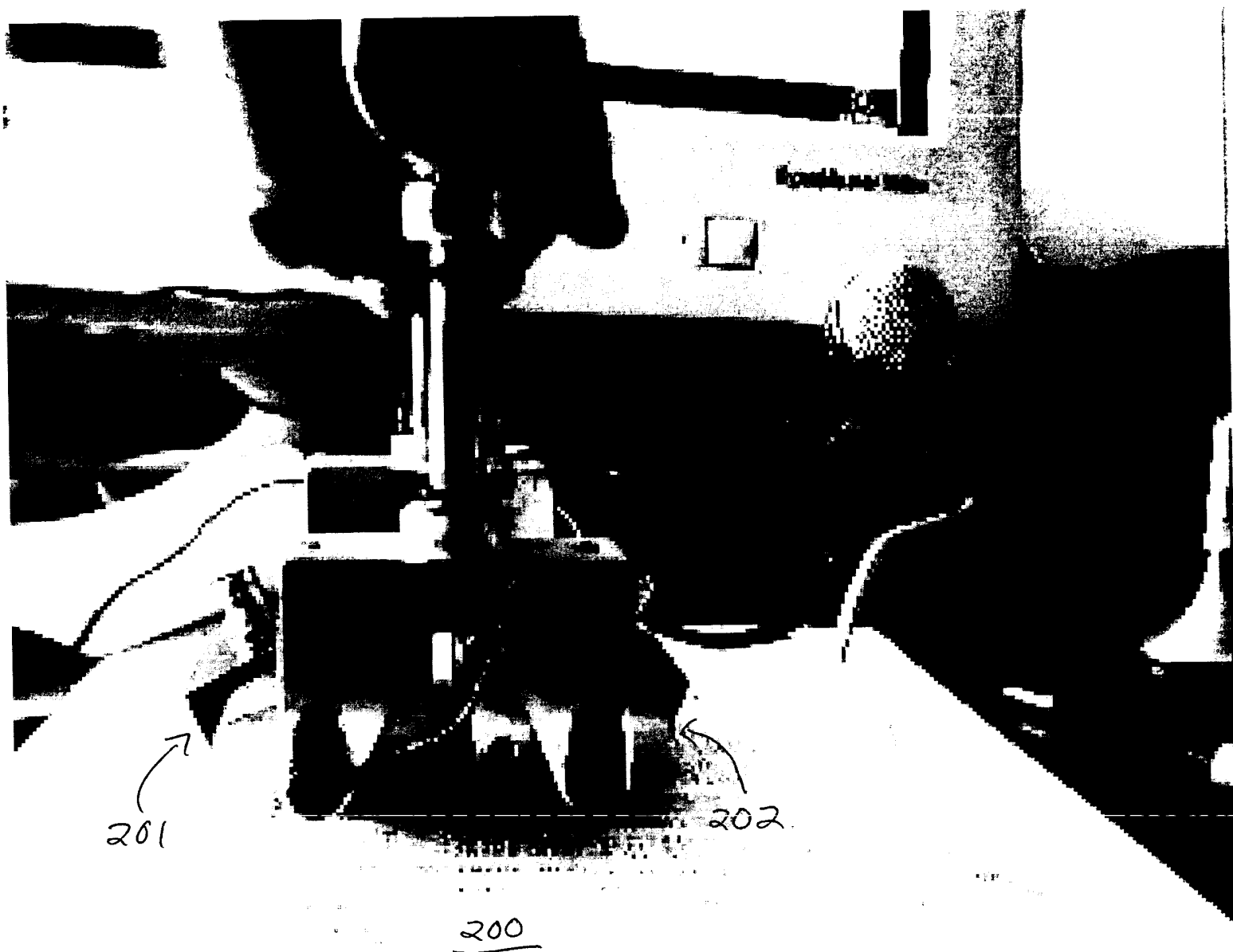


Figure 2B

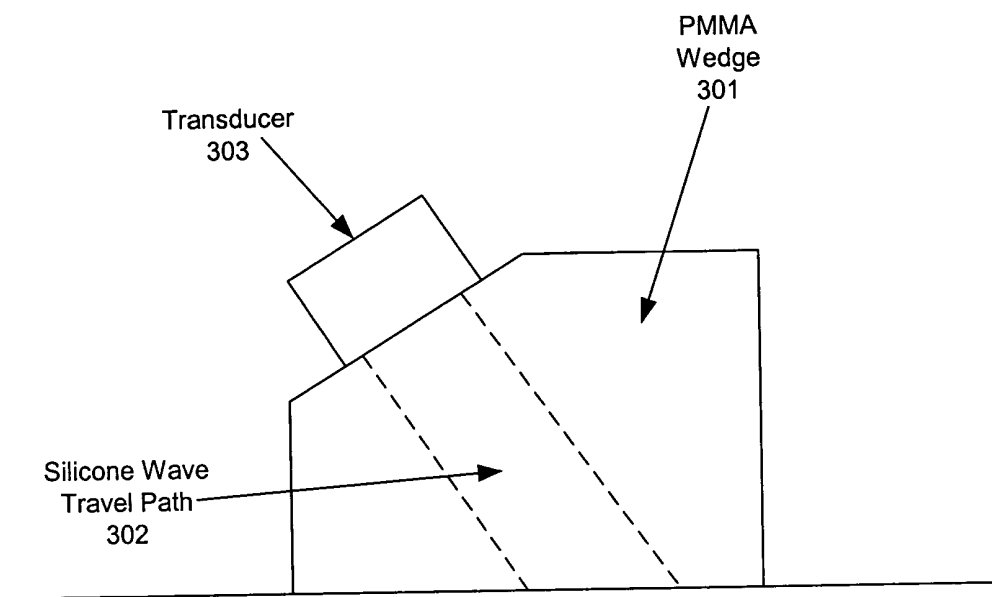


Figure 3

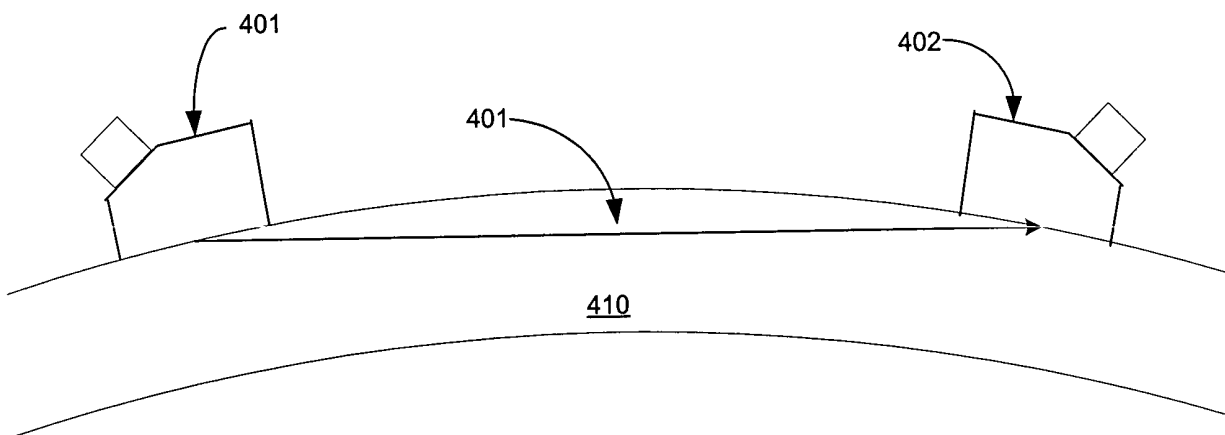


Figure 4

Poly042203.vi

File Edit Operate Tools Browse Window Help

13pt Application Font

POLYPROCESSING Setup Panel
COMPANY

Division of Abell Corporation

SITE INFORMATION

Company	Location	Operator	Time	Date
TLF	Hempstead	wjj	4:05:37	7/7/2003
	New Location			Press Here if Date is Incorrect

INSTRUMENTATION

UT Instrument	File ID
Epoch	FILECURRENT

TANK/CONTENTS

Tank Type	Material	Year In Service	Serial Number
Cylindrical	CLN	1992	FP4
	New Material		New Tank

Tank Height (ft)	Contents	Diameter (ft)	Contents Height (ft)	Wall Thickness (in)
12	UNK	8	?	0.75

Notes:
 1) Buttons should be operated while Vi is running.
 2) POLYCONFIG.txt is the configuration text file and can be edited in any text editor.
 3) Attach thermocouples to channels 2 & 3

Testing at TLF, no9

C:\Program Files\PolyTank\TLFHempsteadFP4.xls

DATA PANEL

Start POLYTANK SCREENS LabVIEW Poly042203.vi 6:46 PM

500

Figure 5A

501

Poly042203.vi

File Edit Operate Tools Browse Window Help

13pt Application Font

POLYPROCESSING Setup Panel
COMPANY

SITE INFORMATION

Company: TLF Location: Hempstead Operator: wji Time: 4:05:37 Date: 7/7/2003
 New Location Press Here if Date is Incorrect

INSTRUMENTATION

UT Instrument: Epoch File ID: FILECURRENT

TANK/CONTENTS

Tank Type: ☒ Cylindrical ☐ Cone ☐ Spherical
 Material: CLN Year In Service: 1992 Serial Number: FP4
 New Material New Tank

Tank Height (ft): 12 Contents: UNK Diameter (ft): 8 Contents Height (ft): 7 Wall Thickness (in): 0.75

Notes:
 1) Buttons should be operated while VI is running.
 2) POLYCONFIG.tst is the configuration test file and can be edited in any text editor.
 3) Attach thermocouples to channels 2 & 3

Testing at TLF, no3

C:\Program Files\PolyTank\TLFHempsteadFP4.xls

DATA PANEL

Start POLYTANK SCREENS LabVIEW Poly042203.vi 6:47 PM

500

Figure 5B

Poly042203.vi

File Edit Operate Tools Browse Window Help

13pt Application Font

POLYPROCESSING **Setup Panel**
COMPANY Division of Abell Corporation

SITE INFORMATION

Company	Location	Operator	Time	Date
TLF	Hempstead	wjj	4:05:37	7/7/2003
	New Location			Press Here if Date is Incorrect

INSTRUMENTATION

UT Instrument	File ID
Epoch	FILECURRENT

TANK/CONTENTS

Tank Type	Material	Year In Service	Serial Number
Cylindrical	CLN	1992	FP4
	CLB		New Tank
	LN		
	LG		

Tank Height (ft)	Contents	Diameter (ft)	Contents Height (ft)	Wall Thickness (in)
12	UNK	8	?	0.75

Notes:
 1) Buttons should be operated while VI is running.
 2) POLYCONFIG.txt is the configuration text file and can be edited in any text editor.
 3) Attach thermocouples to channels 2 & 3

Testing at TLF, no9

C:\Program Files\PolyTank\TLFHempsteadFP4.xls

DATA PANEL

502

Start POLYTANK SCREENS - LabVIEW Poly042203.vi 6:47 PM

500

Figure 5C

Poly042203.vi



Division of Abell Corporation

POLYPROCESSING COMPANY

Data Panel

DATA LOCATION

Data Circle Location from Manhole

Data Height from Tank Floor (ft)

N-E-S-W

0

Other

1

S

TEST SETTINGS

Sender Freq. (Hz)

Probe Spacing (mm)

UT Gain (dB)

Image ID

1.0

2.25

3.5

47

87.50

C001

TEST RESULTS

TC (F):

#1

#2

Travel-Time (us)

538517.

538517.

17.81

ON

ON

Mean Temp (F)

Corrected Travel Distance (mm)

Temp Corr. Travel Time in Si (us)

81.0

40.7

SAVE TO FILE

Saves current values to a tab delimited text file (.txt) which can be opened in Excel.

MAKE CURRENT VALUES DEFAULT

Sets current values to default when program is re-run.

GET TEMPERATURE-EPOCH DATA

MAKE CURRENT VALUES DEFAULT

SAVE TO FILE

601

600

Figure 6B

Poly042203.vi


Division of Abell Corporation ▲

POLYPROCESSING Data Panel

DATA LOCATION

Data Circle Location
from Manhole

Data Height from
Tank Floor (ft)

N-E-S-W

TEST SETTINGS

Sender Freq. (Hz)

Probe Spacing (mm)

UT Gain (dB)

Image ID

TC (F): #1 #2

Travel-Time (us)

Mean Temp (F)

Corrected Travel Distance (mm)

Temp Corr. Travel Time in Si (us)

SAVE TO FILE
Saves current values to a tab delimited text file (.txt) which can be opened in Excel.

MAKE CURRENT VALUES DEFAULT
Sets current values to default when program is re-run.

600

Figure 6C